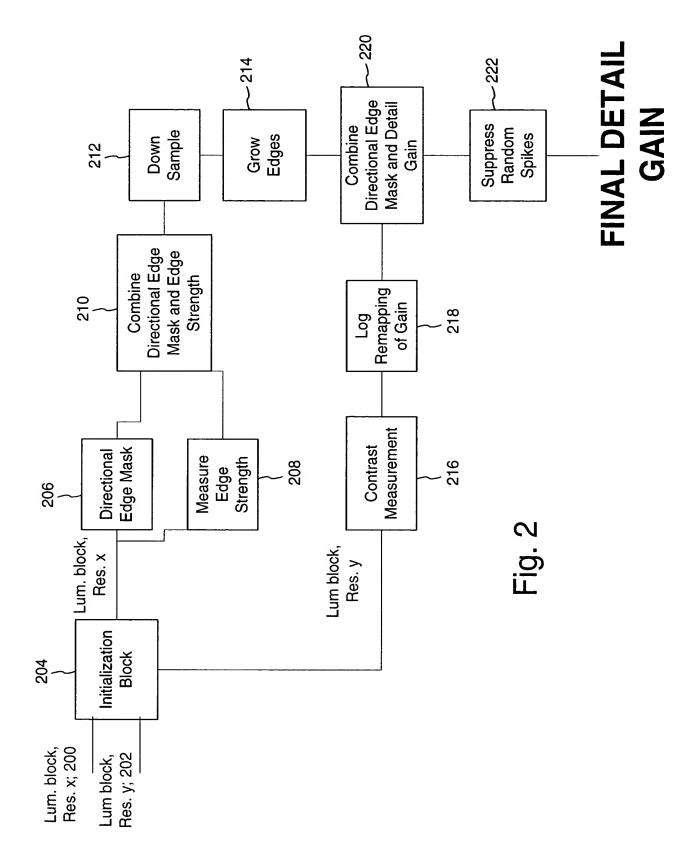
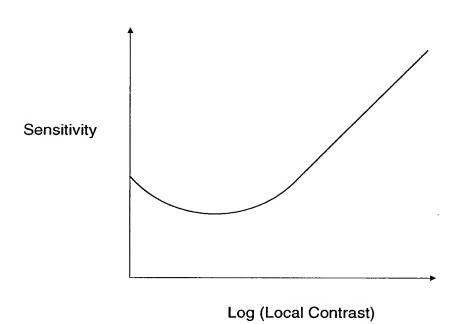
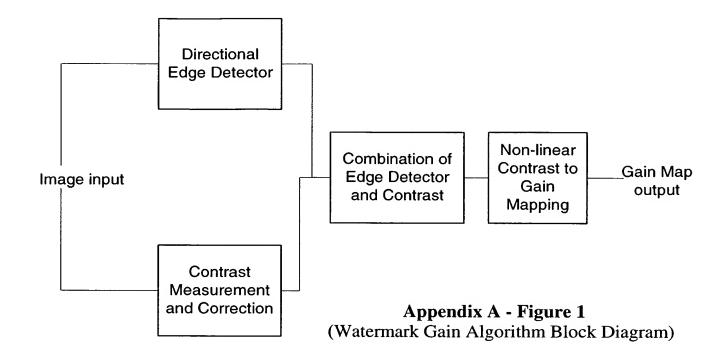
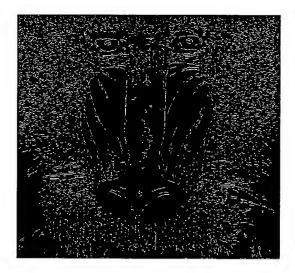
Fig. 1 106 108 Measure Compute Local Perceptual 100 Contrast Sensitivity Measure of Measure Media Directional Directional Signal Edges Edges 104 102 Compute -110 Control Vector Post -112 **Process** Final -112 Control Vector











Appendix A - Figure 2a (Canny Edge Mask of "Mandrill")



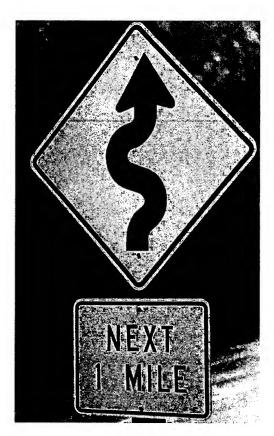
Appendix A - Figure 2b (Our modified Canny Edge Mask of "Mandrill")

Final Detail Gain 6.

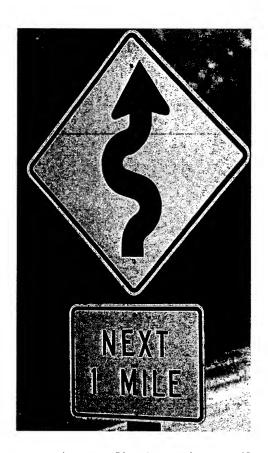
1.0
0.5

Combined Contrast

Appendix A -- Figure 3 (Combined Contrast to Watermark Gain Mapping Function)



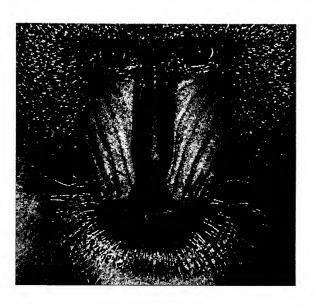
Appendix A -- Figure 4a (Watermark Gain Based on Simple Contrast, watermark accentuated for effect)



Appendix A -- Figure 4b (Watermark Gain Based on Contrast with Edge Suppression, watermark accentuated for effect)



Appendix A -- Figure 5a (Mandrill without Watermark)



Appendix A -- Figure 5b (Mandrill with Watermark using New Gain Algorithm)



Appendix A -- Figure 6a (Image of Child without Watermark)



Appendix A -- Figure 6b (Image of Child with Watermark using New Gain Algorithm, watermark accentuated for effect)